

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-199462

(43)Date of publication of application : 27.07.1999

(51)Int.Cl.

A61K 7/48
A61K 7/00
A61K 7/00
A61K 31/16
A61K 31/575

(21)Application number : 10-003710

(71)Applicant : NIPPON FINE CHEM CO LTD

(22)Date of filing : 12.01.1998

(72)Inventor : SATOU MIKINOBU
HATTORI NOBUAKI
OKUMURA MASAKAZU

(54) SPHINGOLIPID-SURFACTANT COMPLEX

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject complex excellent in water dispersibility and capable of readily emulsifying and solubilizing by removing an organic solvent from an organic solvent solution in which sphingolipid, etc., and a surfactant are uniformly dissolved in the organic solvent to simultaneously deposit the sphingolipid and the surfactant.

SOLUTION: This complex is obtained by removing an organic solvent from an organic solvent solution obtained by uniformly dissolving a sphingolipid (e.g. ceramide or cerebroside) or a substance having a structure analogous to the lipid and a surfactant into the organic solvent. The surfactant is preferably lecithin (e.g. soybean lecithin or yolk lecithin), a saccharide fatty acid ester (e.g. saccharide monoplamitate), a di-long chain alkyl quaternary ammonium salt type cation (e.g. distearyldimethyl ammonium chloride). The compounding ratio of the sphingolipid to the surfactant in the complex is preferably (1-70):(30-99) wt.%.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office